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XV

EASINGTON RURAL DISTRICT

REPORT
OF THE
MEDICAL OFFICER
OF HEALTH

FOR THE
YEAR ENDING 31st DECEMBER, 1963



EASINGTON RURAL DISTRICT

REPORT
OF THE
MEDICAL OFFICER
OF HEALTH
FOR THE
YEAR ENDING 31st DECEMBER, 1963



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Vice-Chairman:

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COUNCILLORS:

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Treasurer, Accountant and Chief Rating Officer:

E. L. ALLISON, F.I.M.T.A.

Engineer and Surveyor:

R. R. LUMSDEN, Dip.M.Eng.

Cleansing Superintendent:

D. WARD, M.Inst.P.C,

STAFF

(as at 31st December, 1963)

*Medical Officer of Health and
District Principal School Medical Officer:*
J. W. A. RODGERS, M.B., B.Ch., D.P.H.

Assistant Welfare Medical Officers:
M. M. COPLAND, M.B., Ch.B., D.P.H.
K. M. STEWART, M.B., Ch.B., (Part-Time)

School Medical Officers:
G. L. ANDERSON, M.B., B.S.
M. ANDERSON, M.B., B.S.

School Dental Officers:
K. M. ATKINSON, L.D.S.
E. I. S. MAKEPEACE, L.D.S.

School Occulists: (Part-Time)
J. FRANKENTHAL, L.R.C.P., L.R.C.S.
C. J. SHARP, M.B., Ch.B.

Speech Therapist:
MISS J. SUMMERBELL, L.C.S.T.

School Nurses:
MISS V. MILLER, S.R.N., S.C.M.
MISS E. WILKINSON, S.R.N.
MRS. M. K. BLAKE, S.R.N., R.M.N.

School Dental Surgery Assistants:
MRS. J. MARTIN
MRS. C. S. SMART
MRS. E. WINNARD

Senior Public Health Inspector:
R. E. V. WARRAND, Cert. P.H.I.B., M.A.P.H.I., M.R.S.H.

Public Health Inspectors:
J. R. DAY, Cert. P.H.I.B., Cert. M. & O. Foods
T. J. RICHARDS, Cert. P.H.I.B.
G. STODDART, Cert. P.H.I.B., Cert. M. & O. Foods
P. F. JONES, Cert. P.H.I.B., Cert. M. & O. Foods
K. WOTTON, Cert. P.H.I.B., Cert. M. & O. Foods
J. PERKINS, Cert. P.H.I.B., Cert. M. & O. Foods

Public Health Assistant:
J. HARPER

Pupil Public Health Inspector:
C. JOHNSTON

Rodent Officer:

C. S. WHITE

*Rodent Operatives:*W. MILLS
G. D. TURNER*Mortuary Attendant:*

J. SCOTT

District Chief Nursing Officer:

MISS A. HOWARTH, S.R.N., S.C.M., Q.N., H.V. Cert.

Health Visitors:

MISS M. BEATY, S.R.N., S.C.M., H.V. Cert.
 MRS. M. F. BRYCE, S.R.N., S.C.M., Q.N., H.V. Cert.
 MISS E. HONOUR, S.R.N., S.C.M., H.V., Cert.
 MRS. J. V. HUDSPITH, S.R.N., S.C.M., H.V. Cert.
 MRS. S. P. KITCHING, S.R.N., S.C.M., H.V. Cert.
 MISS D. LISTER, S.R.N., S.C.M.B., H.V. Cert.
 MRS. M. A. MEECHIN, S.R.N., S.C.M., Q.N., H.V. Cert.
 MRS. C. PARKER, C.M.B., H.V. Cert.
 MISS A. SIMPSON, S.R.N., C.M.B., H.V. Cert.
 MISS M. TUNNEY, S.R.N., C.M.B., H.V. Cert.

District Midwives:

MISS E. BEANEY, S.R.N., S.C.M.
 MISS A. BRANTHWAITE, S.R.N., S.C.M.
 MISS M. DALLEN, S.C.M.
 MISS N. FISHWICK, S.R.N., S.C.M.
 MISS G. L. HAILES, S.R.N., S.C.M.
 MRS. R. HALL, S.C.M.
 MISS I. MORTIMER, S.R.N., S.C.M.
 MISS J. ORD, S.E.A.N., S.C.M.
 MRS. V. SMITHSON, S.E.A.N., S.C.M.
 MRS. H. MARTIN, S.R.N., S.C.M.

District Nurse/Midwife:

MRS. M. H. GRUNDY, S.R.N., S.C.M.

District Nurses:

MISS E. M. BUCHANAN, S.R.N., S.C.M.
 MRS. J. COWAN, S.R.N.
 MISS D. CROOKS, S.R.N., S.C.M.
 MRS. M. A. ELTRINGHAM, S.R.N., S.C.M.
 MISS E. HALL, S.R.N., S.C.M., Q.N. Cert.
 MRS. M. HAZLETON, S.R.N., Q.N. Cert.

District Nurses—continued

MISS E. OLIVER, S.R.N., S.C.M.
 MRS. A. PATTISON, S.R.N.
 MRS. F. N. SAUNDERS, S.R.N.
 MRS. E. M. SKELTON, S.R.N., R.S.C.N.
 MRS. E. M. SMITH, S.R.N., S.C.M.
 MISS A. P. STONEY, S.R.N., Q.N. Cert.
 MRS. M. TOMLINSON, S.R.N., S.C.M.
 MRS. D. UNSWORTH, S.R.N.

Home Teachers for the Blind:

MISS M. G. TOMLINSON
 MISS E. KELLETT (Part-Time)

Social Worker:

MISS D. WHITE

Mental Welfare Officer:

MR. A. S. SMITH

Junior Training Centre Supervisor:

MRS. I. M. GLEN, Dip. N.A.M.H.

Assistant Supervisors:

MRS. D. BELL
 MRS. C. WOOD, Dip. N.A.M.H.

Trainee Assistant Supervisors:

MRS. D. H. APPLEBY
 MISS J. BRIGGS

Craft Instructor:

W. G. BEDINGFIELD

Domestic Help Service Organiser:

MRS. L. TRUDGILL

Chiropodist:

G. W. SPOONER, M.S.F., M.S.S.Ch.

ADMINISTRATIVE AND CLERICAL STAFF :*Chief Clerk:*

J. BRANTHWAITE

Senior Clerk:

K. ARMSTRONG

Clerical Assistants:

H. HESLOP
R. WATSON
MISS L. NASH
MISS M. MITCHISON
MISS A. HARDCastle
MISS O. BLACKWELL
MISS J. BOOTH
C. BROWN
MISS D. J. HILL
MRS. O. HOGG
MISS M. SHAW
J. HOWLETT
MISS J. A. PALLISTER
MRS. M. CHAPMAN
P. STOTT

Travelling Clerks:

MRS. O. WOOLARD
MRS. L. COWLEY

EASINGTON RURAL DISTRICT

REPORT

OF THE

Medical Officer of Health

FOR THE

Year ended 31st December, 1963

Telephone—Easington 393.

EASINGTON,

PETERLEE,

Co. DURHAM,

1964.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting to you the Annual Report on the health and sanitary conditions of your district for the year 1963.

With the arrival of Excepted District status for education purposes, which became operative on 1st April, this department's activities were extended to embrace the School Medical Service with its general health care of approximately 14,000 school age children.

The work accomplished during the year is described in the various sections of the report. The section relating to the activities of the inspectorial staff has been compiled by the Senior Public Health Inspector and contributions from the Engineer and Surveyor and the Cleansing Superintendent are also included.

This introductory letter summarises briefly the contents of the report as a whole and draws attention to any points of special interest.

VITAL STATISTICS

Under this heading figures or rates are given to enable comparison to be made between the health of the inhabitants of the district over recent years and the health of the country as a whole. They include the birth rate, the general death rate, infant mortality rate and the maternal mortality rate.

BIRTH RATE

The district rate of 19.65 per 1,000 of the population showed a decrease on the figure of 20.46 for 1962 which was the highest since 1948. It remained higher than the rate of 18.2 for England and Wales as a whole, the best national rate since 1947.

GENERAL DEATH RATE

The general death rate of 10.27 per 1,000 of the estimated resident population decreased from the 1961 figure of 11.07 and is the district's best since 1959. The rate for England and Wales, 12.2, increased from the 1962 figure of 11.9 and is the highest national death rate for more than a decade.

INFANT MORTALITY

The rate of 28.84 per 1,000 live births showed an increase on that of 26.58 for the previous year and is the district's highest since 1956. The rate for England and Wales, 20.9, was the lowest ever recorded in this country and 0.7 per 1,000 below the national figure for 1962.

There were 49 deaths in infants under one year and of these 29 occurred in the first four weeks of life giving a neo-natal mortality rate of 17.07 per 1,000 live births as compared with the 1962 high figure of 22.06. In 13 of these prematurity was given as the primary cause of death and in one as contributory. The rate for England and Wales for 1963 was 14.2.

MATERNAL MORTALITY

There were no maternal deaths in this district during the year. The maternal mortality rate for England and Wales for 1963 was 0.28 per 1,000 live and still births.

In compiling the statistics for births and deaths the actual number of live births (1,699) and the total deaths in the district (888) have been calculated. The standardised rates may be obtained by multiplying these two rates by the Registrar General's comparability factors of 0.94 in the case of births and 1.32 in the case of deaths.

INDIVIDUAL CAUSES OF DEATH

Perusal of the table giving the chief causes of death will show that heart disease still heads the list with 246 deaths, 65 less than in 1962 and representing 27.7% of the total deaths in the district. Cancer retains second place causing 154 deaths (17.3%) compared with 176 (18.4%) the previous year. It will be observed from Table 2 that lung and bronchus deaths numbered 22, a very welcome decrease on the figure of 36 for 1962. In third place diseases of the veins and arteries of the brain caused 143 deaths (16.1%) and fourth bronchitis and pneumonia with 126 (14.2%) showing a sharp rise on the figure of 90 deaths for 1962. Altogether these four causes accounted for 75% of the total deaths.

INFECTIOUS DISEASES

Notifications of these diseases are set out in Table 7 which also gives the final figures after correction. Apart from the biennial appearance of measles in epidemic form and an outbreak of food poisoning in a factory canteen which affected 42 workers on the last day in July, the area generally was quiet. Particulars of the incidence of the various diseases will be found in Section II.

TUBERCULOSIS

The statistics for this disease are shown in the tables and summary of Section III.

The Regional Hospital Board's Sunderland Mass Radiography Unit visited the northern part of the district at Murton and Haswell in early March and South Hetton in April where open sessions were held for the general public. A total of 511 persons in these areas took advantage of the facilities afforded. The Middlesbrough Unit spent two days at Thornley and three days at Wingate in early June and six days at Peterlee in September.

Individual and small group X-ray is also available at the General Hospital, Chester Road, Sunderland, and at the Static Unit, 35 Grange Road, Middlesbrough. Particulars of dates and times for these services may be obtained from the Health Department, Easington.

Details of B.C.G. protection are given in Section IV.

HEALTH AND WELFARE FUNCTIONS

Details of the working of the various services during the year are to be found in Section IV.

Agency arrangements between local health authorities and the Royal National Institute for the Blind terminated on 1st October. Blind Welfare generally came into the care of the local health authority as from that date with the Ministry of Labour assuming responsibility for the placement of blind persons in employment.

Development of local authority health and welfare services was advanced a further stage in April when the Minister of Health laid before Parliament a Command Paper titled "Health and Welfare: The Development of Community Care". This paper (Cmnd. 1973) gave in summary form the plans which local authorities had prepared in 1962 and included suggestions for their development over the next ten years. In Circular 6/63 the Minister stressed that the plans be reviewed annually and on each occasion advanced one year to cover a decade ahead.

In October, 1963 the department's establishment was strengthened by the appointment of a Social Worker. More time can now be devoted to problem families and handicapped persons in the district.

SCHOOL MEDICAL SERVICE

In anticipation of Excepted District status on 1st April, 1963, and this department's responsibility for the School Medical Service, discussions between the Council's chief officers and those of Durham County Council took place between November, 1962 and the operative date, to determine the establishment necessary for the efficient running of the services. I am grateful to the County Principal School Medical Officer and his staff for their help and co-operation in this respect and also for the facilities afforded the two administrative officers from this department who visited the Durham Department prior to the take-over.

Details of the work in respect of the School Medical Service will be found in Section V.

WATER

Piped water supply in the district was sampled weekly during the year. All 51 samples submitted to bacteriological examination were reported as satisfactory. Further details will be found in Section VI.

In connection with Ministry of Health Circular 28/62 this Council decided to press for fluoridation of the water supplies to this area.

LABORATORY FACILITIES

Bacteriological testing of throat swabs, faeces and other human specimens is undertaken by the Director and his staff at the Public Health Laboratory, Havelock Hospital, Sunderland. Weekly

samples of ice cream, water and milk and occasional samples of meat and other edible products were submitted during the year. 270 faecal specimens from patients known or suspected to be suffering from dysentery or food poisoning were sent to the laboratory for examination and report.

SANITARY CONDITIONS OF THE AREA

The comments and tables to be found in Section VI dealing with the environmental services contain much information of importance and interest. They are contributed by the Senior Public Health Inspector, the Engineer and Surveyor and the Cleansing Superintendent.

HOUSING

In May the Council made representation to the Ministry of Housing and Local Government in respect of 79 houses affecting 249 persons at Thornley forming Clearance Areas 178 to 181. Preparations were also made for the representation of 193 houses occupied by 522 persons at Hesleden in Clearance Area No. 177.

STAFF

There were several nursing staff changes during the year. Clerical staff resignations and new appointments were as follows:—

Miss Anne Hardcastle, Scale 'b' Shorthand/Typist, commenced 18th March.

Miss Winifred Brown, Clerical Assistant, terminated her appointment on 20th September, and Miss Olive Blackwell was appointed to the post on 10th October commencing duty on 11th November.

Miss D. White, Social Worker, was appointed by the Council on 24th October and commenced her duties on 11th November.

On the resignation of Mr. George Atkin, the part-time Mortuary Attendant, the Council appointed Mr. John Scott in May on a full-time basis.

In the Public Health Inspectors' Department, Mr. J. F. Perkins, Pupil Inspector, obtained his qualification in July, and was appointed to the inspectorial establishment. Mr. P. E. Budd retired in November after 15 years service with the Council as a district Public Health Inspector. In December Mr. C. Johnston was appointed as Pupil in the department.

CONCLUSION

Perusal of the vital statistics in the following pages will show that the general health of the population continued to be satisfactory during 1963. The birth rate and the death rate show no appreciable change and bear favourable comparison with the national figures. Unfortunately the same cannot be said of the infant death rate in this district which, apart from 1957, has been higher than the national rate for many years.

The Council generally and its health services in particular sustained severe loss by the death of Councillor George W. Roseby in August, 1963. As Chairman of the Health Committee since 1958, Councillor Roseby took lively and very active interest in all aspects of the public health and was at all times available for discussion on the work of the department and matters concerning the Health Committee. He will be especially remembered for his valuable contribution to the establishment of the transferred Health and Welfare Functions to Easington in 1961.

I am thankful to the members and officials of the Council for their support during yet another year, and much appreciate the loyal and willing co-operation of the entire Health Department staff.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

J. W. A. RODGERS,

Medical Officer of Health.

SECTION I.

CONDITIONS OF THE AREA

Area (in acres)	34,653
Registrar General's estimate of resident population year, 1963	86,450
Number of Hereditaments on 31st December, 1963 according to the rate books	31,596
Rateable Value (at 1st April, 1964)	£1,911,757
Sum represented by Penny Rate (1963-64)	£7,330

VITAL STATISTICS

Births :—Live Births.

	Male	Female	Total
Legitimate	802	834	1636
Illegitimate	32	31	63
	—	—	—
	834	865	1699
	—	—	—

Birth Rate per 1,000 of the estimated resident population	19·65
--	-------

Illegitimate Live Births per cent of Total Live Births	3·71
--	------

Still Births :—

Legitimate	19	13	32
Illegitimate	2	1	3
	—	—	—
	21	14	35
	—	—	—

Rate per 1,000 total live and still births ..	20·18
---	-------

Total Live and Still Births :—

855	879	1734
-----	-----	------

Infant Mortality :—

Deaths of infants under 1 year :

Legitimate	25	22	47
Illegitimate	1	1	2
	—	—	—
	26	23	49
	—	—	—

Infant Mortality Rates

Death rate of all infants under one year per 1,000 live births, 28·84.

Death rate of legitimate infants under one year per 1,000 legitimate live births, 28·73.

Death rate of illegitimate infants under one year per 1,000 illegitimate live births, 31·75

Neonatal Mortality

Deaths of infants under 4 weeks:

	Male	Female	Total
Legitimate ..	15	13	28
Illegitimate ..	1	—	1
	—	—	—
	16	13	29
	—	—	—
Death rate per 1,000 live births ..			17·07

Early Neonatal Mortality

Deaths of infants under 1 week :

Legitimate ..	14	11	25
Illegitimate ..	1	—	1
	—	—	—
	15	11	26
	—	—	—
Death rate per 1,000 live births ..			15·30

Perinatal Mortality Rate 35·18

Maternal Deaths

Deaths from Puerperal Causes—

from Sepsis ..	..	..	Nil.
from Other Causes ..	..	..	Nil.
	—	—	—
Total ..	..	..	Nil.

Maternal Mortality Rate Nil.

Total Deaths (all ages) 496 392 888

Death rate per 1,000 of the estimated resident population 10·27

TABLE I.
DEATHS—CAUSES AND AGES AT DEATH.

TABLE 2.

Cancer.

The following table gives the deaths from Cancer, in age groups, and the localisation of the disease.

	Ages in Years					Totals
	1 to 24	25 to 44	45 to 64	65 to 74	75 up	
Stomach	—	2	8	10	14	34
Lung & Bronchus	—	2	8	9	3	22
Breast	—	3	9	3	2	17
Uterus	—	—	5	2	—	7
Other Causes ..	—	4	27	21	22	74
	—	11	57	45	41	154

TABLE 3.

Table of Birth and Death Rates for the past 10 years

Year	General Death Rate	Infant Death Rate	Birth Rate
1954	10.0	25.7	17.9
1955	8.5	33.6	17.9
1956	9.4	30.3	18.9
1957	9.0	22.5	19.5
1958	10.5	26.3	20.1
1959	10.0	28.1	19.1
1960	10.8	28.3	19.3
1961	10.4	21.9	19.7
1962	11.1	26.6	20.5
1963	10.3	28.8	19.7

1963	General Death Rate	Infant Death Rate	Birth Rate
England & Wales	12.2	20.9	18.2
Easington Rural District	10.3	28.8	19.7

TABLE 4.
Infant Mortality Rates
(10 years)

Year	Births	Easington R. D. Inf. Mortality Rate	England & Wales Inf. Mortality Rate
1954	1481	25.7	25.5
1955	1489	33.6	24.9
1956	1582	30.3	23.8
1957	1647	22.5	23.0
1958	1708	26.3	22.5
1959	1639	28.1	22.0
1960	1663	28.3	21.7
1961	1689	21.9	21.4
1962	1768	26.6	21.4
1963	1699	28.8	20.9

TABLE 5.
Death Rates (10 years)

Year	Deaths	Easington R. D. Death Rate	England & Wales Death Rate
1954	829	10.0	11.3
1955	710	8.5	11.7
1956	787	9.4	11.7
1957	764	9.0	11.5
1958	891	10.5	11.7
1959	863	10.0	11.6
1960	937	10.8	11.5
1961	891	10.4	12.0
1962	957	11.1	11.9
1963	888	10.3	12.2

TABLE 6.
Natural Increase of Population

Year	Births	Deaths	Rate of Natural Increase per 1,000 population.
1954	1481	829	7.9
1955	1489	710	9.4
1956	1582	787	9.5
1957	1647	764	10.5
1958	1708	891	9.6
1959	1639	863	9.0
1960	1663	937	8.4
1961	1689	891	9.3
1962	1768	957	9.4
1963	1699	888	9.4

SUMMARY OF STATISTICS, 1963

Population	..	..	..	..	..	..	86,450
Area (acres)	..	..	..	..	..	..	34,653
Estimated number of Hereditaments					..	..	31,596
Rateable Value (at 1st April, 1964)	..				..	..	£1,911,757
Sum produced by Penny Rate (1963-64)					..	..	£7,330
Births	..	..	..	..	..	..	1,699
Birth rate per 1,000 of the estimated resident population							19·65
Deaths	..	..	..	..	..	..	888
Death rate per 1,000 of the estimated resident population							10·27
Death rate of infants under one year of age						..	28·84

CHIEF CAUSES OF DEATH

Cause		Number	Percentage of total deaths
Diseases of the heart	..	246	27·70
Cancer	..	154	17·34
Diseases of the veins and arteries of the brain	..	143	16·10
Bronchitis and pneumonia	..	126	14·19
Tuberculosis (respiratory)	..	9	0·56

INFECTIOUS DISEASES

Diseases		Cases notified
Measles	..	2028
Whooping Cough	..	63
Tuberculosis (all forms) new cases	..	31
Scarlet Fever	..	29
Food Poisoning	..	47
Dysentery	..	10

SECTION II.

TABLE 7

INFECTIOUS AND OTHER NOTIFIABLE DISEASES, 1963

Numbers Originally Notified TOTAL (ALL AGES) ..	SCARLET FEVER		WHOOPING COUGH		ACUTE POLIOMYELITIS				MEASLES		DIPHTHERIA		DYSENTERY		MENINGOCOCCAL INFECTION	
					PARALYTIC		NON-PARALYTIC									
	M 10	F 19	M 33	F 30	M —	F —	M —	F —	M 968	F 1060	M —	F —	M 6	F 4	M 1	F —
Final Numbers after Correction																
Under 1 year	—	—	4	3	—	—	—	—	41	40	—	—	—	—	—	—
1 year	1	2	4	3	—	—	—	—	117	111	—	—	1	—	1	—
2 years	—	2	7	4	—	—	—	—	143	151	—	—	—	—	—	—
3 years	—	—	1	4	—	—	—	—	126	121	—	—	1	—	—	—
4 years	1	—	6	3	—	—	—	—	117	144	—	—	1	—	—	—
5 — 9 years	7	10	10	10	—	—	—	—	386	408	—	—	—	—	—	—
10 — 14 years	1	4	1	2	—	—	—	—	25	59	—	—	—	—	—	—
15 — 24 years	—	1	—	—	—	—	—	—	8	25	—	—	1	—	—	—
25 and OVER	—	—	—	1	—	—	—	—	5	1	—	—	2	1	—	—
TOTAL (ALL AGES) ..	10	19	33	30	—	—	—	—	968	1060	—	—	5	4	1	—

Numbers Originally Notified TOTAL (ALL AGES) ..	ACUTE PNEUMONIA		SMALLPOX		ACUTE ENCEPHALITIS				ENTERIC OR TYPHOID FEVERS		PARATYPHOID FEVER		ERYSIPelas		FOOD POISONING	
					INFECTIVE		POST-INFECTIONOUS									
	M 8	F 3	M —	F —	M —	F —	M —	F —	M —	F —	M —	F —	M 2	F 1	M 9	F 38
Final Numbers after Correction																
Under 5 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5 — 14 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	28
15 — 44 years	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	7
45 — 64 years	5	1	—	—	—	—	—	—	—	—	—	—	2	1	—	1
65 and Over	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1
TOTAL (ALL AGES) ..	8	3	—	—	—	—	—	—	—	—	—	—	2	1	7	36

Numbers Originally Notified TOTAL (ALL AGES) ..	TUBERCULOSIS						PUERPERAL PYREXIA	OPHTHALMIA NEONATORUM	
	Respiratory		Meninges and C.N.S.		Other				
	M 15	F 12	M —	F —	M 1	F 3	F 21	M —	F —
Final Numbers after Correction									
Under 5 years	—	—	—	—	—	—	—	—	—
5 — 14 years	—	—	—	—	—	—	—	—	—
15 — 24 years	3	4	—	—	—	1	—	—	—
25 — 44 years	4	8	—	—	—	2	—	—	—
45 — 64 years	5	—	—	—	—	—	—	—	—
65 and Over	3	—	—	—	—	—	—	—	—
TOTAL (ALL AGES) ..	15	12	—	—	1	3	21	—	—

INFECTIOUS DISEASES

The main points of interest in Table 7 can be briefly summarised as follows:—

There were 29 cases of scarlet fever notified during the year compared with 11 in 1962.

Whooping cough notifications numbered 63 against 30 the previous year.

The district was free from poliomyelitis during 1963.

An epidemic of measles was responsible for 2,028 notifications as compared with only 37 in 1962. During the 25 weeks from early February to the end of July no less than 1,925 of these were reported.

For the eighth successive year there were no cases of diphtheria in the district.

Sonne dysentery notifications numbered 10, of which nine were confirmed by bacteriological examination. There were seven confirmed cases of dysentery in 1962.

One case of meningococcal infection was notified during the year. The district was free from the disease the previous year.

Eleven notifications of acute pneumonia were received, compared with 10 in 1962.

There were 47 notifications of food poisoning and 43 of these cases were confirmed comprising a single case of *Salmonella typhimurium* and 40 cases due to the causative agent *Cl. Welchii* in a factory canteen at Peterlee, where the estimated number of employees at risk was 135. The outbreak was not serious and the illness in every case was of a few hours duration only.

SECTION III.

TUBERCULOSIS

Number of Cases on Register at 31st December, 1963.

PULMONARY		NON-PULMONARY		TOTAL CASES	
Male	Female	Total	Male	Female	Total
304	258	562	154	143	297
					859

TABLE 9.

New Cases and Mortality, 1963

Age Periods	NEW CASES						DEATHS					
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary		Male		Female	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Under 5 years	—	—	—	—	—	—	—	—	—	—	—	—
5 — 14 years	—	—	—	—	—	—	—	—	—	—	—	—
15 — 24 years	3	4	—	—	1	1	—	—	—	—	—	—
25 — 44 years	4	8	—	—	2	1	1	—	—	—	—	—
45 — 64 years	5	—	—	1	—	—	4	—	—	—	—	—
65 and over	3	—	—	—	—	—	2	—	—	—	—	—
	15	12	1	3	8	1	—	—	—	—	—	—

TABLE 10

COMPARATIVE TUBERCULOSIS STATISTICS FOR RECENT YEARS

24

YEAR	NEW CASES						DEATHS						No. ON REGISTER AT END OF YEAR					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1954	29	19	48	5	4	9	5	7	12	—	—	—	302	272	574	168	156	324
1955	28	22	50	4	6	10	9	2	11	—	1	1	315	280	595	170	154	324
1956	22	21	43	1	4	5	8	1	9	1	1	2	313	286	599	161	150	311
1957	27	15	42	1	1	2	9	2	11	1	—	1	326	290	616	159	148	307
1958	22	14	36	2	1	3	6	1	7	—	—	—	323	279	602	160	147	307
1959	20	9	29	—	—	—	8	2	10	1	—	1	324	264	588	155	146	301
1960	17	15	32	2	1	3	8	1	9	—	1	1	317	252	569	155	146	301
1961	22	16	38	1	2	3	6	2	8	1	—	1	322	264	586	156	145	301
1962	13	11	24	3	2	5	5	—	5	—	—	—	305	253	558	155	145	300
1963	15	12	27	1	3	4	8	1	9	—	—	—	304	258	562	154	143	297

TABLE 11

Deaths from Pulmonary Tuberculosis between the ages of 15 and 25 years, during the past 10 years.

Year	Male	Female	Total	Percentage of Total Pulmonary Deaths
1954	—	1	1	8%
1955	—	1	1	9%
1956	—	—	—	Nil.
1957	—	—	—	Nil.
1958	—	—	—	Nil.
1959	—	—	—	Nil.
1960	—	—	—	Nil.
1961	—	—	—	Nil.
1962	—	—	—	Nil.
1963	1	—	1	11%

TABLE 12.

The following Table shows the number of deaths from Tuberculosis (all ages) during the past five years—the figures in parenthesis indicating deaths occurring in previously notified cases of Tuberculosis.

YEAR	PULMONARY			NON-PULMONARY		
	Male	Female	Total	Male	Female	Total
1959	8 (5)	2 (2)	10 (7)	1 (—)	—	1 (—)
1960	8 (6)	1 (1)	9 (7)	—	1 (—)	1 (—)
1961	6 (6)	2 (1)	8 (7)	1 (—)	—	1 (—)
1962	5 (3)	—	5 (3)	—	—	—
1963	8 (5)	1 (1)	9 (6)	—	—	—
Totals	35 (25)	6 (5)	41 (30)	2 (—)	1 (—)	3 (—)

TUBERCULOSIS

The foregoing tables may be summarised as follows:—

Twenty-seven new cases of the respiratory form of the disease were notified during the year comprising 15 males and 12 females. This was an increase of three on the figure of 24 for 1962 made up of 13 males and 11 females. There were four new notifications of the non-respiratory form during the year, one male and three females.

Deaths from the respiratory form increased from five in 1962 to nine, eight males and one female. There were no non-respiratory deaths.

The district mortality rate for respiratory tuberculosis was 0.104 per one thousand of the population compared with the figure of 0.056 for England and Wales as a whole. The non-respiratory rate for the district was nil and the national rate 0.007.

SECTION IV.

HEALTH AND WELFARE

TREATMENT CENTRES AND CLINICS

MATERNITY AND CHILD WELFARE CENTRES:—

The number of welfare centres at the end of the year was 10. Table 13 shows the aggregate attendances at the welfare centres and Table 14 the attendances.

DENTAL CLINICS:—

Two clinics were in operation during the year.

ANTE-NATAL CLINICS:—

Sessions were being held at four centres at the end of the year. At centres where numbers do not justify special sessions, advice is given at child welfare centres.

POST-NATAL CLINICS:—

At the end of the year, post-natal sessions were held at one centre. At centres where numbers do not justify special sessions, advice is given at child welfare centres. Table 16 shows numbers on the books and attendances throughout the year.

BIRTH CONTROL CLINICS:—

Sessions were held at three centres during the year. Table 17 shows the numbers and attendances during 1963.

ARTIFICIAL SUNLIGHT CLINICS:—

The number of centres using Ultra-Violet ray lamps at the end of the year was five. Details of attendances are shown in Table 18.

HEALTH EDUCATION AND RELAXATION CLASSES:—

At the end of the year these classes were being held at three centres.

HEALTH CENTRES:—

The centre at Peterlee continues to operate satisfactorily.

CARE OF EXPECTANT AND NURSING MOTHERS AND CHILDREN UNDER SCHOOL AGE:—

Centres:—

During the year the child welfare centre at Front Street, Wingate was transferred to 'Oak Lea', Fir Tree, Wingate. The total number of centres remains at 10, 7 of which are held in premises owned by the Council and 3 in premises on a rental basis.

Attendances at Child Welfare Centres during year ended 31st December, 1963.

Table 13 shows the aggregate attendances at the welfare centres during the year and Table 14 the attendance at each welfare centre.

TABLE 13
Attendances at Child Welfare Centres during 1963

	Babies and Children's Sessions			Ante-natal Sessions
	Under 1 year	1 year and under 2	2 years and under 5	
No. on books . . .	961	882	902	58
Attendances . . .	10085	1904	1849	210
Average attendance per session . . .	14	3	3	2
Consultations . . .	6866	1304	1288	208
Average consultations per session . . .	11	2	2	2

During the year 2745 children made 13838 attendances at 10 centres compared with 3042 children and 13670 attendances in 1962.

Ante-natal Clinics

During the year 58 expectant mothers made 210 attendances compared with 118 mothers and 419 attendances in 1962.

Ante-natal Education Classes:—

These classes were started at Murton child welfare centre on 11th March, 1963. The classes are held at 3 centres and 130 expectant mothers made 504 attendances compared with 76 and 82 attendances during 1962.

TABLE 15
Ante-natal Education Classes

CLINIC	No. on books	Attendances	Average Attendance per Session
EASINGTON	45	176	7
MURTON	44	172	9
PETERLEE	41	156	6
TOTAL	130	504	7

Post-natal Clinics

Table 16 shows the numbers on the books and the attendances made

TABLE 16

Post-natal Clinics

Clinic	No. on Books	Attendances
MURTON	6	9

Birth Control Clinics

Table 17 shows the numbers and attendances during the year.

TABLE 17

Birth Control Clinics

Clinic	No. on Books	Attendances
EASINGTON	31	80
MURTON	46	113
PETERLEE	53	95
TOTAL	130	288

ARTIFICIAL SUNLIGHT CLINICS

Treatment was given at five centres. The numbers attending were 153 and the attendances were 2550. Details are shown in Table 18.

TABLE 18.

Artificial Sunlight Clinics

CLINIC	No. on books	Attendances	Average Attendance per session	No. of sessions held
HORDEN	16	309	3	97
MURTON	51	774	8	100
PETERLEE	18	344	4	97
SHOTTON	47	811	8	97
WINGATE	21	312	3	97
TOTALS	153	2550	5	488

DENTAL CARE

Dental treatment for expectant mothers and young children was available at the following centres:—

PETERLEE—as required

WINGATE —as required

Details of the treatment are given in Tables 19 and 20.

TABLE 19

Numbers provided with Dental Care

CLINICS	Expectant and Nursing Mothers			Children under 5		
	Examined	Commenced Treatment	Made Dentally Fit	Examined	Commenced Treatment	Made Dentally Fit
PETERLEE	1	1	2	68	51	42
WINGATE	32	25	14	28	16	15
TOTALS	33	26	16	96	67	57

TABLE 20
Forms of Dental Treatment provided

EXPECTANT AND NURSING MOTHERS								
CLINIC	Scalings and Gum Treatment	Fillings	Silver Nitrate Treatment	Crowns & Inlays	Extractions	General Anaesthetics	Dentures Provided	
							Full Upper or Lower	Partial Upper or Lower
PETERLEE	..	1	1	—	—	—	2	—
WINGATE	..	7	1	—	—	74	5	4
TOTALS	..	8	2	—	—	74	5	6
CHILDREN UNDER 5								
PETERLEE	..	—	41	45	—	60	28	—
WINGATE	..	1	—	1	—	44	12	—
TOTALS	..	1	41	46	—	104	40	—

MATERNITY AND CHILD WELFARE

**Statistics relating to ante-natal cases attending centres
for the year ending 31st December, 1963**

No. of cases	..	..	..	..	..	58
1. Duration of Pregnancy at first attendance						
Under 3 months	..	..	..	..	..	7
3-6 months	..	..	..	..	..	47
6-9 months	..	..	..	..	..	4
						—
						58
						—
2. Ages						
Under 20	..	..	..	..	..	6
20-25	..	..	..	..	..	9
26-30	..	..	..	..	..	18
31-35	..	..	..	..	..	15
36-40	..	..	..	..	..	8
41-45	..	..	..	..	..	2
46-50	..	..	..	..	..	—
						—
						58
						—
3. Parity						
1	2	3	4	5	6	7
9	16	15	5	5	6	—
1	—	—	—	—	—	—
11	12	13	14			
1	—	—	—			
TOTAL:— 58						
4. General Health						
Poor ..	..	..	..	..	..	2
Moderate ..	..	..	..	..	..	25
Good ..	..	..	..	..	..	31
						—
						58
						—
5. Nature of confinement						
(a) Normal ..	..	..	..	..	..	30
(b) Abnormal						
Instrumental ..	..	..	..	..	..	—
Induction ..	..	..	..	..	..	—
Caesarean ..	..	..	..	..	..	—
Malpresentation ..	..	..	..	..	..	—
Other abnormalities ..	..	..	..	..	..	1
A.P. Haemorrhage ..	..	..	..	..	..	—

Nature of confinement—*continued*

P.P. Haemorrhage	—
Prolonged labour — Disproportion	—
Inertia	—
Died undelivered	—
Not yet delivered	27
	—
	58
	—

Results

Full time live births	28
Full time still births	1
Premature live births	2
Premature still births	—
Abortions	1
Died undelivered	—
Not yet delivered	27
	—
	59

No. of Maternal Deaths

—

No. of Sets of Twins

1

Place of confinement

(a) In hospitals	15
(b) At home	
Doctor	—
Midwife	7
Doctor and Midwife	7
B.B.A.	2
Not yet delivered	27
	—
	58

Abnormal conditions found at ante-natal examination

1. Anaemia .. .. ..	.. .. .. .. ..	35
2. Presence of Antibodies .. .. ..	.. .. .. .. ..	1
3. Dental caries .. .. ..	.. .. .. .. ..	8
4. Diabetes .. .. ..	.. .. .. .. ..	—
5. Early toxæmia .. .. ..	.. .. .. .. ..	2
6. Pre-eclamptic toxæmia .. .. ..	.. .. .. .. ..	7
7. Bronchitis .. .. ..	.. .. .. .. ..	2
8. Tuberculosis .. .. ..	.. .. .. .. ..	1
9. Venereal Disease .. .. ..	.. .. .. .. ..	—
10. Non-venereal Discharges .. .. ..	.. .. .. .. ..	6

Abnormal conditions found at ante-natal examination—continued

11. Haemorrhoids ..	..	..	..	..	..	..	7
12. Varicose Veins ..	..	..	..	..	..	..	9
13. Constipation ..	..	..	..	..	..	..	19
14. Urinary infection							
(a) acute ..	..	..	..	..	..	..	1
(b) chronic ..	..	..	..	..	..	..	—
15. Cardiac disease ..	..	..	..	..	..	..	1
16. Placenta Praevia ..	..	..	..	..	..	..	—
17. Accidental haemorrhage ..	..	..	..	..	..	..	—
18. Pelvic contraction ..	..	..	..	..	..	..	2
19. Malpresentation ..	..	..	..	..	..	..	—
20. History of virus disease ..	..	..	..	..	..	..	—
21. Mental abnormality associated with pregnancy ..	..	..	..	..	..	..	—
22. Other conditions ..	..	..	..	..	..	..	18

WELFARE FOODS

At the end of the year welfare foods were being distributed from ten child welfare centres throughout the area. Members of voluntary committees at five of these centres accept the responsibility for both the distribution and clerical work in connection with this scheme.

The following statement shows the amount of welfare foods issued during the year with comparative figures for 1962.

		1962	1963
National Dried Milk (tins)	..	14,550	12,122
Orange Juice (bottles)	..	9,778	9,834
Cod Liver Oil (bottles)	..	1,912	1,854
Vitamin Tablets (packets)	..	821	701

DOMICILIARY MIDWIFERY

The following number of midwives gave notice of intention to practice in Easington Rural District during the year:—

District Midwives ..	..	..	14
District Nurse – Midwives ..	..	..	1
Midwives in Hospital ..	..	..	23

At the end of the year 11 District Midwives and one District Nurse Midwife were employed by the Council against an establishment of 14 and one respectively.

Nine midwives and one district nurse midwife were in receipt of a casual car allowance at the end of the year.

Instruction in domiciliary midwifery was given to three pupil midwives, from the training school at Thorpe Maternity Hospital, Easington by two teaching midwives. Two pupils who completed the training were successful in passing the Central Midwives Board examination, and one pupil was still in training at the end of the year

Staff meetings are held in the Council Offices at monthly intervals.

During the year midwives requisitioned medical help on 192 occasions, and the following statement gives particulars as to the reasons for so doing:—

1.	Ante-natal examination – general	..	..	..	..	10
2.	Ante-natal examination – albuminuria (toxaemia)	..	..	..	..	24
3.	Miscarriage	..	..	..	..	3
4.	Threatened miscarriage	..	..	..	..	—
5.	Ante-partum haemorrhage	..	..	..	..	8
6.	Post-partum haemorrhage	..	..	..	..	9
7.	Placenta praevia	..	..	..	..	—
8.	Retained for adherent placenta or membranes	..	..	..	..	4
9.	Contracted pelvis, disproportion between child and pelvic outlet	..	..	..	..	2
10.	Malpresentation	..	..	..	..	14
11.	Prolonged or delayed labour, uterine inertia	..	..	..	..	24
12.	Mammary inflammation, varicose veins, cardiac weakness, weakness during puerperium, etc.	..	..	..	..	4
13.	Stillbirth	..	..	..	..	—
14.	Ruptured perineum	..	..	..	..	29
15.	Premature birth	..	..	..	..	11
16.	Rise in temperature (Pyrexia)	..	..	..	..	3
17.	Feebleness of child. Illness of child	..	..	..	..	16
18.	Phimosis, tongue tie, suspicious eruptions on skin of baby, and umbilical conditions (Rash)	..	..	..	..	—
19.	Marked congenital malformations	..	..	..	..	3
20.	Inflammation of child's eyes	..	..	..	..	16
21.	Condition of mother ill-defined	..	..	..	..	3
22.	Condition of baby ill-defined	..	..	..	..	2
23.	Midwife in attendance at another case	..	..	..	..	—
24.	Death of baby	..	..	..	..	—
25.	Other conditions	..	..	..	..	7

In addition to the notifications of sending for medical help, the following notifications were received from midwives:—

Stillbirths ..	..	..	..	..	5
Death of mother ..	..	..	..	..	—
Death of child ..	..	..	..	..	5
Artificial feeding ..	..	..	..	..	—
Laying out the dead ..	..	..	..	..	5
Liability to be a source of infection ..	..	..	..	..	4

TABLE 21
Number of Deliveries attended by Domiciliary Midwives
during the Year

	Dr. not booked		Dr. booked		Total	Discharges from Hospital before 10th day
	Dr. present	Dr. not present	Dr. present	Dr. not present		
District Mid- wives	—	9	87	670	766	403

TABLE 22

Premature Births - 1963

1. No. of premature live births notified (as adjusted by transferred notifications)		2. No. of premature still births notified (as adjusted by transferred notifications)	
(a) In hospital	..	..	..
(b) At home	..	..	..
(c) In Private Nursing Homes	..	..	..
		104	—
			18

WEIGHT AT BIRTH	PREMATURE LIVE BIRTHS					
	Born in hospital			Born at Home or in a Nursing Home		
	Nursed entirely at home or in a Nursing Home		Transferred to hospital on or before 28th day		Premature Still Births	
	Total Births	Died Within 24 hrs. of birth	In 1 & under 7 days	Died Within 24 hrs. of birth	In 1 & under 7 days	Died Within 24 hrs. of birth
	Total Births	Died Within 24 hrs. of birth	In 1 & under 7 days	Died Within 24 hrs. of birth	In 1 & under 7 days	Died Within 24 hrs. of birth
2 lb. 3 oz. or less	10	10	—	1	—	—
Over 2 lb. 3 oz. up to and including 3 lb. 4 oz.	6	1	—	—	—	—
Over 3 lb. 4 oz. up to and including 4 lb. 6 oz.	14	—	—	—	3	1
Over 4 lb. 6 oz. up to and including 4 lb. 15 oz.	20	2	—	4	—	—
Over 4 lb. 15 oz. up to and including 5 lb. 8 oz.	28	—	—	16	—	2
TOTAL	78	13	—	21	1	5
					Born	
					In hospital	
					At home or in a nursing home	
					Born	
					2	1
					—	—
					8	—
					—	—
					3	—
					—	—
					—	—
					—	—
					3	1
					—	—
					—	—
					5	2
					1	—
					—	16
					1	2

HOME NURSING

At the end of the year 14 district nurses and one district nurse-midwife were employed, this being the full establishment.

A total of 1,938 persons were nursed throughout the year, and approximately 40% of these were aged 65 and over, and 5% were under the age of 5.

Twelve nurses were authorised car users at the end of the year.

Tables 23 and 24 give details of cases and visits, with comparative figures for 1962.

TABLE 23

HOME NURSING - 1962 - 1963

YEAR	STAFF		GENERAL MEDICAL		GENERAL SURGICAL		INFECTIOUS DISEASES		TUBERCULOSIS		MATERNAL COMPLICATIONS		OTHERS		TOTAL	
	Whole-time	Part time	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits
1962	13	—	1144	30455	545	8545	—	—	53	2596	4	68	29	126	1775	41790
1963	14	1	1386	29841	496	10088	1	9	47	2248	8	31	—	—	1938	42217

TABLE 24

YEAR	Patients included in above table who were 65 or over at the time of the first visit during the year.		Children included in above table who were under 5 at the time of the first visit during the year.		Patients included in above table who had more than 24 visits during the year.	
	Cases	Visits	Cases	Visits	Cases	Visits
1962	665	23095	196	773	362	29472
1963	809	24027	94	617	375	29494

HEALTH VISITING

At the end of the year ten Health Visitors were employed as against the establishment of eleven.

GENERAL PRACTITIONER/HEALTH VISITOR CO-OPERATION

Much has been said about the need for more co-operation between the various field-workers in the local Health Authority Service and other organisations. In as compact an area as Easington Rural district this important factor in the successful administration of Health and Welfare Services should be an easy matter if individuals recognise this vital need and their particular responsibility to actively develop good relationships with co-workers.

The General Practitioner/Health Visitor liaison has still far to go before each service recognises the value of close co-operation. We have made some slight progress in this direction, Health Visitors and family doctors are consulting with one another more on matters in which both are involved. In two general practices a Health Visitor makes regular weekly visits to the surgery to discuss particular social problems and agree a course of action. When general practitioners are more frequently in contact with the Health Visitor the value of liaison becomes more obvious to both and progress is made. Two busy group practices in the district have opened their doors readily to the local health authority staff with benefit to all concerned and without doubt in many instances to the advantage of the public we serve.

Another opportunity for closer co-operation between General Practitioners and Health Visitors is now afforded by the staffing of some General Practitioners of Infant Welfare sessions. This experiment is working reasonably well in at least one district where doctors in a group practice have arranged a rota of attendances. This system is working smoothly for the Welfare Clinic involved.

Whilst it is impracticable to attach a Health Visitor solely to each general practice it is possible to arrange for regular consultation between doctors and Health Visitors and indeed at the present time and for the future pattern of preventative social medicine, it is incumbent on all members of the team to make co-operation a key word in the exercise of their responsibilities.

ASCERTAINMENT OF HEARING ABILITY IN YOUNG BABIES

Following a short course of training undertaken by three Health Visitors, regular screening sessions commenced at Peterlee in February 1963. The Service has now been extended to six other Welfare Centres.

It is possible to assess the hearing ability of babies at an early age. The test is quick, simple and carried out in play form, therefore quite enjoyed by parent and child. Children suspected of any degree of deafness are referred to the Family Doctor and a more detailed examination may then follow. The screening of young babies is particularly necessary for "Children 'at risk' by reason of some ante-natal or birth hazard". These children may have hearing defects which in some cases, if recognised early, can be treated and if training is started early enough, social handicaps resulting from deafness can be reduced.

Every baby was given an opportunity to attend for screening and approximately 43% of appointments made were kept.

ANTE-NATAL RELAXATION CLASSES

Ante-Natal Relaxation Classes were started at the Murton Welfare Centre and Parents Clubs initiated at Easington and Murton Welfare Centres. Visiting speakers and members of the staff provided a programme of educational interest at monthly meetings, which were well attended. Special visits to Prudhoe Hospital and Acre Rigg Infants School were also arranged.

SMOKING AND CANCER

This subject has been discussed at Parents Clubs and staff meetings, where films and film strips were shown. Posters are displayed at various Centres.

HEALTH EXHIBITION

This was held for the first time at Peterlee Health Centre. The Exhibition attracted a large number of people and provoked discussion on many important aspects of baby and child health.

STAFF REFRESHER COURSES AND IN-SERVICE TRAINING

Eight members of the nursing and health visiting services attended refresher courses at selected centres and opportunity was also given whenever possible for staff to attend locally-arranged lectures. Some Health Visitors and Midwives attended relaxation classes at the Sunderland Maternity Hospital through the generosity of the Matron and the willing and helpful co-operation of Miss Happer, Physio-therapist. Such opportunities for study, revision and also observation visits to Geriatric Departments and special training centres are invaluable and much appreciated by the staff.

STAFF MEETINGS

Staff meetings continue to provide an opportunity for discussion, and during 1963 films and film strips were used effectively to illustrate technical procedures. Other social workers were invited from time to time to discuss their work, current problems and integration of service.

DOMICILIARY VISITS

Maternity and Child Welfare:—

Ante-natal	First visits	..	..	..	..	301
	Re-visits	..	..	..	..	184
Births—	1st Visits	..	..	..	..	1696
	Re-visits to children under 1 year				..	5180
	Re-visits to children 1 – 2 years	..			..	3704
	Re-visits to children 2 – 3 years	..			..	2727
	Re-visits to children 3 – 4 years	..			..	3035
	Re-visits to children 4 – 5 years	..			..	3044
	Re-visits to children 5 – 6 years	..			..	823
Other visits		..	..	..	..	2858
					TOTAL ..	23552

Tuberculosis:—

First visits	..	..	..	..	..	131
Re-visits	..	..	..	..	..	782
Other visits	..	..	..	..	..	—
					TOTAL ..	913

SCHOOL WORK

School children (Home visits)	..	..	..	..	..	1142
School children (School visits)	..	..	..	..	..	324
					TOTAL ..	1466

GENERAL HEALTH

Visits paid	1173
-------------	----	----	----	----	----	------

Mental sub-normality:—

Visits paid to Mentally Sub-normal persons	598
--	----	----	----	----	----	-----

Old people	1265
------------	----	----	----	----	----	------

Myopia	3
--------	----	----	----	----	----	---

Summary :—

Inffective visits	2848
Total number of visits	31818
No. of effective visits	28970
Time (as days) spent on visits (routine, other and ineffective)	1599
Average daily number of effective visits per Health Visitor	18

CLINIC, ETC., WORK**Time as days spent:—**

(a) at maternity and child welfare centres	567
(b) at chest clinics and contact sessions	80
(c) at school head to head inspections	30
(d) at school clinics	14
(e) conducting children to special schools	—
(f) assisting with school medical inspection	24
(g) at nursery schools	10

CASES REPORTED TO DISTRICT MEDICAL OFFICER OF HEALTH

Overcrowding	3
Other sanitary defects	10

INFLAMMATION OF THE EYES

Number of cases	27
Number of visits	70

Treatment

No. treated by own doctor	23
No. treated by own doctor and District Nurse	3
Special Treatment	—
TOTAL ..	26

Hospital Treatment

In patient	1
Out patient	—
TOTAL ..	1

Results

Vision unimpaired	26
Under treatment at the end of the year	1
TOTAL ..	27

IMMUNISATION AND VACCINATION

SMALLPOX, DIPHTHERIA, WHOOPING COUGH AND TETANUS

Propaganda leaflets, drawing attention to the need for children to be protected against these diseases are sent to parents when their children attain the age of three months, and before they reach school age. All leaflets give details of facilities available for vaccination and immunisation in the area.

Vaccinations and immunisations are carried out by general practitioners at their surgeries and by the assistant welfare medical officers at child welfare centres.

Tables 25, 26, 27 and 28 give details of the numbers vaccinated and immunised during the year.

POLIOMYELITIS VACCINATION

Vaccination against poliomyelitis was continued during the year, and a vaccination scheme was undertaken in all infant schools in the area.

TABLE 25

SMALLPOX VACCINATION

	0-3 months	3-6 months	6-9 months	9-12 months	1 year	2-4 years	5-14 years	15 or over	TOTAL
No. VACCINATED	61	148	57	47	52	62	186	255	868
No. RE-VACCINATED	—	—	—	—	—	2	20	138	160

46

TABLE 26
DIPHTHERIA IMMUNISATION

Live Births Registered	No. of children who had completed a full course of immunisation at any time up to 31st December, 1963	Records received during the year of full courses of primary immunisation			Records Received during the year of reinforcing injections
		Under 5	5-15	Undor 5	
1962	1963	—	—	—	0-15
1796	1679	4230	8151	988	1071
				83	266

TABLE 27
WHOOPING COUGH IMMUNISATION

No. of records received during the year of full courses of primary immunisation			
Under 1 year	1-4 years	5-14 years	TOTAL
235	748	80	1063

TABLE 28
TETANUS IMMUNISATION

No. of records received during the year of full courses of primary immunisation			
Under 1 year	1-4 years	5-14 years	TOTAL
234	738	75	1047

TABLE 29
POLIOMYELITIS VACCINATION

SALK VACCINE

Number of Persons Vaccinated with two Injections							3rd injection during the year	4th injection during the year
Born 1963	Born 1962	Born 1961	Born 1943 -60	Born 1933 -42	Others	Total		
23	57	147	306	87	136	756	499	32

TABLE 29—*continued*
ORAL VACCINE

Number of Persons Vaccinated with three Doses							No. of persons given reinforcing 3rd dose after 2 injections	No. of persons given reinforcing 4th dose after 3 injections
Born 1963	Born 1962	Born 1961	Born 1943 -60	Born 1933 -42	Others	Total		
114	676	203	1066	215	301	2575	248	1399

PREVENTION OF ILLNESS, CARE AND AFTER-CARE

B.C.G. VACCINATION

Tuberculin testing and vaccination of school children aged 11 years and over was undertaken during the year. 623 children were skin tested and 531 were vaccinated. In addition to this scheme, 469 children in infant schools were skin tested.

NURSING EQUIPMENT

A store of articles for loan is maintained in the Health Department and issues are made on the recommendation of doctors, nurses and almoners.

Table 30 gives a summary of provisions made during 1963.

TABLE 30 — Equipment Loaned during 1963

Articles	No.	Articles	No.
Air Rings	30	Invalid Chairs, Adult ..	38
Bathmats	2	Invalid Chairs, Junior ..	7
Bath Safety Rail	1	Invalid Chairs, Rim-driven ..	2
Bedpacks	4	Legrests	1
Bedcages	32	Lifting Poles	5
Bedpans	80	Rubber Sheets	76
Bedpans (Rubber)	6	Sorbo Mattresses	29
Bedpans (Slipper)	5	Sorbo Rings	37
Bedrests	74	Sorbo Squares	18
Bedsteads	16	Spinal Carriages	1
Commodes	79	Toilet Seats, Inflatable ..	1
Cots, Adult	2	Tripod Sticks	17
Crutches	13	Urinals, Male	51
Crutches, Elbow	2	Urinals, Female	1
Eneuresis Sets	9	Walking Sticks	5
Feeding Cups	2		
Fracture Boards	16		

CHIROPODY

The chiropody service was continued during the year. Regular sessions are held at child welfare centres but domiciliary visits are arranged for persons who cannot travel. Treatment is given free to persons of pensionable age. Table 31 gives details of treatments.

TABLE 31
Chiropody Service 1963

CENTRE						No. of treatments
Horden	..	..	..	..	..	347
Murton	..	..	..	..	..	396
Easington	..	..	..	..	..	285
Peterlee	..	..	..	..	..	326
Thornley	..	..	..	..	..	363
Wingate	..	..	..	..	..	372
Shotton	..	..	..	..	..	348
Deaf Hill	..	..	..	..	..	181
						—
						2618
Domiciliary Treatment			..	..	..	840
						—
			TOTAL ..	..	..	3458
						—

HEALTH EDUCATION

During the year a film strip projector was used to display suitable material to audiences throughout the district.

All types of posters issued by the Ministry of Health, in connection with Smoking and Health, were displayed in halls, welfare centres, and other prominent places. Copies of letters to parents, stressing the dangers of smoking, were distributed from all schools, and Ministry of Health posters displayed in all modern and grammar schools.

DOMESTIC HELP SERVICE

The district is supervised by a Domestic Help Organiser who engages, and places Domestic Helps and investigates all applications for help.

CHARGES AND REMUNERATION:—

The fee for the service is 4/5d. per hour, but the amount payable may be reduced in accordance with the scale of charges which takes into account the ability of the family or individual to pay.

The following is a summary of work accomplished during 1963:—

No. of cases provided with domestic help during the period						
Chronic sick (including aged and infirm)	556					
Maternity (including expectant mothers)	6					
Tuberculosis	2					
	564					

In addition to the above, the following cases ceased and recommenced during the year.

Chronic sick (including aged and infirm)	..	..	..	13
No. of cases attended 1st January, 1963	..	..	..	413
New cases during the year	151			
Cases terminated	98			
Cases attended 31st December, 1963	466			
No. of cases on waiting list at 31st December, 1963	..	..	8	
Applications withdrawn or refused	65			
Visits paid by organiser	3119			
No. of Domestic Helps employed at end of year	248			

MENTAL HEALTH SERVICE

STAFF

Mental Welfare Officers	1
Supervisors, Training Centres	1
Assistant Supervisors	2
Trainee Assistant Supervisors	2
Craft Instructors	1

One member of the Junior Training Centre staff completed a one year's course run by the National Association for Mental Health, and was successful in obtaining a diploma.

ACCOUNT OF WORK UNDERTAKEN IN THE COMMUNITY

HOSPITAL ADMISSIONS

TABLE 32

HOSPITAL	Sect. 25	Sect. 26	Sect. 29	Sect. 60	Inform.	Temp.	TOTAL
MENTALLY ILL							
Winterton, Sedgefield	1	1	49	—	9	—	60
General, West Hartlepool	—	—	6	—	3	—	9
Cherry Knowle, Ryhope	—	—	1	—	—	—	1
Total	1	1	56	—	12	—	70
MENTALLY SUB-NORMAL							
Aycliffe	—	—	—	1	2	—	3
Winterton, Sedgefield	—	—	—	—	1	—	1
Prudhoe and Monkton	—	—	—	3	4	1	8
TOTAL	—	—	—	4	7	1	12

ASCERTAINMENT

Cases are notified by school medical officers, welfare medical officers, general practitioners and health visitors.

Under the provisions of the Education Act 1944, the Local Education Authority notified the following cases during the year.

Under Section 57	M.	F.	Total
Children considered unsuitable for education within the school system	5	3	8

At the end of the year there were 337 mentally sub-normal persons on the register, 11 of these being added during the year, compared with 36 added last year.

The supervision of mentally sub-normal persons is carried out mainly by Health Visitors who made 598 visits to 233 persons during the year. The Mental Welfare Officer also visits mentally sub-normal persons as well as after-care cases, and during the year he made 705 visits to 74 cases.

TRAINING CENTRES

The Junior Training Centre, Easington, continued to operate satisfactorily during the year, and on 31st December, 1963, 44 children and 11 adults were in attendance.

NATIONAL ASSISTANCE ACT, 1948
WELFARE OF THE BLIND AND PARTIALLY-SIGHTED

REGISTRATION OF BLIND PERSONS

The number of blind persons on the Council's register on 31st December, 1963, was 133 compared with 139 in 1962. Table 33 gives details.

TABLE 33
Blind Population according to Age and Sex

	1 and under	2-4	5-10	11-15	16-20	21-29	30-39	40-49	50-59	60-64	65-69	70-79	80 & over	TOTAL
M	—	—	3	2	—	5	1	3	6	4	5	12	13	54
F	—	—	—	—	—	—	4	6	12	5	5	19	28	79
TOTAL	—	—	3	2	—	5	5	9	18	9	10	31	41	133

During this period 11 blind persons were added to the register including two who were transferred into the district from other areas, and 17 blind persons either died or left the district.

Two part-time ophthalmologists examined 20 cases referred to them. These cases were classified as follows:—

First Examination

No. certified blind	9
No. certified partially-sighted	3
No. certified not blind	8
	<u>20</u>

Re-examinations	Nil
-----------------------------------	-----

REGISTRATION OF PARTIALLY-SIGHTED

The number of partially-sighted persons on the Council's register on 31st December, 1963, was 27 compared to 25 in 1962. Table 34 gives details.

TABLE 34
Partially-sighted Persons according to Age and Sex

	0-1	2-4	5-15	16-20	21-49	50-64	65 and over	TOTAL
M	—	—	4	—	1	2	5	12
F	—	—	2	1	1	2	9	15
TOTAL	—	—	6	1	2	4	14	27

The following table gives further information regarding the recommendations and action taken in relation to blind and partially-sighted persons registered during the year.

TABLE 35

	Cause of Disability		
	Cataract	Glaucoma	Misc.
(1) No. of cases registered during the year in respect of which			
(a) No treatment was recommended:—			
Blind	4	—	3
Partially-sighted ..	—	—	1
(b) Treatment recommended (Medical, Surgical or Optical)			
Blind	2	—	—
Partially-sighted ..	1	1	—
(2) No. of cases at 1 (b) who later received treatment			
Blind	—	—	—
Partially-sighted ..	—	—	—

In all cases of cataract, glaucoma or any other disability the patient's private doctor is informed of the findings and recommendations of the Ophthalmologist.

EMPLOYMENT

Two trained blind persons are employed, one at the Hartlepool Workshops for the Blind, West Hartlepool, and one at the Royal Institution for the Blind, Sunderland.

HOME TEACHING SERVICE

One home teacher is employed by this Authority, and one employed by Durham County Council and spends part of her time visiting in the Easington area. Each of the teachers visit blind persons regularly and hold classes for teaching handicrafts.

WELFARE OF THE PHYSICALLY HANDICAPPED

At the end of the year there were 87 males and 64 females on the register. This is an increase of 58 within the last year.

There has been some improvement in the position regarding the Council's scheme under Section 29 of the National Assistance Act,

as a Social Worker was appointed in the latter part of the year. The Council continues to adapt houses so as to give greater convenience and comfort to the physically-handicapped.

WELFARE OF THE DEAF

This service is operated on an agency agreement with the Northumberland and Durham Mission to the Deaf and Dumb. Welfare Officers visit and look after the general welfare of registered persons. At the end of the year the number of persons registered as deaf or hard of hearing was 47, classified as follows:—

					M.	F.	Total
Under 16 years	..	..	..	..	6	3	9
16-64 years	..	..	..	..	19	15	34
65 years and over	..	..	..	..	1	3	4
					26	21	47

At the end of December, five boys and four girls were attending residential special schools for the deaf.

WELFARE OF THE AGED

Consequent upon the Ministry of Health Circular 12/62 on the National Assistance Act, 1948 (Amendment) Act, 1962, which extended the previous powers of local authorities, this Council considered the provision of meals for old people in the district. The Women's Voluntary Service readily agreed to participate and in May, 1963, a pilot "Meals-on-Wheels" Service commenced delivery of two dinner meals per week to twelve aged people at Peterlee. The service is much appreciated and will be extended to other parts of the district as and when W.V.S. volunteers become available.

SECTION V

SCHOOL HEALTH SERVICE

MEDICAL INSPECTION

Routine medical inspection is carried out in three groups:—

Entrants
Ten plus
Leavers

During the period 1st April to 30th December, 1963, the following medical inspections were carried out.

Pupils inspected at Periodic Medical Inspections

No. of pupils inspected	No. found satisfactory	%	No. found unsatisfactory	%
2451	2431	99.2	20	0.8

In addition to these, 121 special inspections and 527 re-inspections were carried out.

PUPILS FOUND TO REQUIRE TREATMENT

The number of individual pupils found at periodic medical inspection to require treatment (excluding Dental Diseases and Infestation with Vermin) is given below:—

Age Groups inspected by year of birth	For Defective Vision (Exclud- ing Squint)	For any other condition	Total Individual Pupils
1959 & later	—	5	5
1958	38	74	99
1957	95	169	220
1956	36	36	61
1955	13	14	21
1954	7	13	18
1953	6	4	10
1952	51	43	85
1951	35	39	64
1950	17	7	20
1949	34	22	48
1948 & earlier	16	19	31
TOTAL . .	348	445	682

RETURN OF DEFECTS FOUND AT MEDICAL INSPECTIONS

	Requiring Treatment			Requiring Observation			Total
	Periodic Inspec- tion No. of Defects	Special Inspec- tion No. of Defects	Total	Periodic Inspec- tion No. of Defects	Special Inspec- tion No. of Defects	Total	
Skin	43	6	49	5	1	6	
Eyes							
(a) Vision ..	348	28	376	193	9	202	
(b) Squint ..	85	9	94	6	1	7	
(c) Other ..	17	1	18	1	2	3	
Ears							
(a) Hearing ..	47	2	49	42	3	45	
(b) Otitis Media ..	17	2	19	28	2	30	
(c) Other ..	2	—	2	—	—	—	
Nose and Throat ..	79	3	82	200	6	206	
Speech	41	2	43	27	4	31	
Lymphatic Glands ..	6	—	6	37	2	39	
Heart	13	6	19	24	2	26	
Lungs	33	6	39	47	5	52	
Developmental							
(a) Hernia ..	4	—	4	13	1	14	
(b) Other ..	2	1	3	17	—	17	
Orthopaedic							
(a) Posture ..	—	—	—	—	—	—	
(b) Feet ..	21	—	21	5	1	6	
(c) Other ..	22	1	23	8	14	22	
Nervous System							
(a) Epilepsy ..	5	1	6	1	—	1	
(b) Other ..	8	—	8	5	2	7	
Psychological							
(a) Development ..	26	18	44	5	3	8	
(b) Stability ..	11	2	13	14	4	18	
Abdomen	18	2	20	4	1	5	
Other	41	5	46	6	1	7	
	889	95	984	688	64	752	

SCHOOL CLINICS

These are now more of the nature of consultative clinics, rather than minor ailments clinics. The separate sessions when the nurse attended alone have been discontinued because of lack of demand.

Clinics are held as follows:—

- Wingate .. Monday morning
- Horden .. Tuesday morning
- Murton .. Thursday morning
- Peterlee .. Friday, all day.

The total number of attendances for minor ailments at the clinics during the year was 771.

**Analysis of Cases examined at School Clinics during the period
1/4/63 to 31/12/63**

Defect or Disease	No. of cases	No. Exam.
1. Cleanliness	2	4
2. Infestation – Head	26	58
Body	—	—
3. Teeth	2	2
4. Skin (a) Ringworm of Scalp ..	1	1
(b) Ringworm of Body ..	1	1
(c) Other	26	33
5. Eyes (a) Vision	180	195
(b) Squint	10	10
(c) Other	18	23
6. Ears (a) Hearing	227	237
(b) Otitis Media – R ..	1	1
L ..	2	2
(c) Other	2	7
7. Nose or Throat	15	23
8. Speech	11	11
9. Lymphatic Glands	1	2
10. Heart and Circulation	7	11
11. Lungs	29	74
12. Development (a) Hernia ..	—	—
(b) Other ..	—	—
13. Orthopaedic (a) Posture ..	—	—
(b) Feet	3	6
(c) Other	4	6
14. Nervous System (a) Epilepsy ..	5	5
(b) Other ..	9	16
15. Psychological (a) Development ..	8	14
(b) Stability ..	20	37
16. General Debility	90	202
17. Abdomen	12	16
18. Other Defects	26	34
19. No appreciable Defect or Disease ..	7	11
20. Employment of Children ..	8	8
21. College entrants	56	56
22. Superannuation	54	54
23. Section 34 and 57	14	14
24. Special School	8	8
TOTALS	882	1182

**No. of Cases Treated at the School Clinics during
the period 1/4/63 to 3/12/63**

Defect or Disease	Number of Cases	Number of attendances
Ringworm - Scalp	—	—
Ringworm - Body	—	—
Scabies	—	—
Impetigo	2	7
Other skin diseases	—	—
Minor eye defects	—	—
Minor ear defects	3	3
Miscellaneous (e.g. minor injuries, etc.)	26	27
Nose and Throat conditions	1	1
Ultra Violet Ray	—	—
Refractions	366	366
	398	404

VISUAL DEFECTS AND EXTERNAL EYE DISEASES

Mr. C. Sharp, Dr. J. Trotter and Mr. J. Frankenthal attended Horden, Wingate and Peterlee Clinics for one session per week during the period ended 31/12/63.

366 children attended for refraction, glasses being prescribed for 251 of those examined.

Operative treatment for correction of squint was recommended in twelve cases.

DEAF CHILDREN – SPECIAL SCHOOLS

Five deaf children attend residential schools, one partially-deaf child attends a day school for partially-deaf and four children are in Durham Partially-Deaf Unit.

AUDIOMETRY

A County Council audiometrician attended clinics and schools in the area.

340 children were tested in Junior and Infant Schools of whom 18 failed the sweep test.

124 children were tested at School Clinics of whom 18 were referred to their own doctor.

ORTHOPAEDIC AND POSTURAL DEFECTS

Children needing treatment are in most cases referred, through their own doctor, to the Orthopaedic Department at hospitals.

CHILD GUIDANCE

Thirteen children referred to Durham County Child Guidance Clinics in Durham and Jarrow.

SPEECH THERAPY

On 9th September, 1963, a Speech Therapist was appointed and since that date 79 pupils have been treated. Children are referred by School Medical Officers, M. & C.W., Head Teachers, Parents, etc. The Speech Therapist also pays regular visits to the Horden Day School.

DENTAL INSPECTION AND TREATMENT

The Table below gives details of dental inspections and treatment from 1/4/63.

Half days devoted to (a)	Inspection	26
	(b) Treatment	609
No. of children treated (routine and special)	.. ..	4,543
No. of attendances made by children	5,395	
No. of teeth filled –	permanent teeth	1,594
	temporary teeth	239
No. of fillings –	permanent teeth	1,841
	temporary teeth	245
Extractions –	permanent teeth	639
	temporary teeth	1,675
No. of general anaesthetics for extractions	918	
No. of other operations – permanent teeth	939	
	temporary teeth	4

ORTHODONTICS

Cases commenced since 1/4/63	..	..	..	..	118
Cases brought forward from previous year	..	..	..	..	246
Cases completed since 1/4/63	..	..	..	..	38
Cases discontinued	..	..	..	..	19
Pupils treated with appliances	..	..	..	..	480
Removable appliances fitted	..	..	..	..	136
Fixed appliances fitted	..	..	..	..	—
Total attendances	..	..	..	..	896
No. of pupils fitted with dentures	..	..	..	..	46

CLEANLINESS INSPECTIONS

Total number of individual examinations of pupils in schools by School Nurses - 5,175.

Total number of individual pupils found to be infested – 295.

VACCINATION AGAINST POLIOMYELITIS

A poliomyelitis vaccination scheme was held by the Medical Officer of Health during the summer and 2,750 doses of oral vaccine were given to children in infant schools.

B.C.G. VACCINATION

Tuberculin testing and vaccination of school children age 11 years and over was undertaken by the Medical Officer of Health towards the end of the year. 623 children were skin tested and 531 were vaccinated. In addition to this, 469 children in infant schools were skin tested.

HANDICAPPED PUPILS

Tables showing the distribution of handicapped pupils in the various classes are given below:—

BLIND PUPILS

No. of children examined by Consultant Ophthalmologist during the year	—
No. of children examined by School Medical Officers during the year	—
School Medical Officers' recommendations:—	
(a) Special Schools for blind pupils	—
(b) Education otherwise than at School	—
No. in special schools at end of year	3
No. receiving education otherwise than at school	—
No. requiring places in special schools	—

PARTIALLY-SIGHTED PUPILS

No. of children examined by Consultant Ophthalmologist during the year	2
No. of children examined by School Medical Officers during the year	1
School Medical Officers' recommendations:—	
(a) Ordinary Schools	—
(b) Special schools for partially-sighted	1
(c) Education otherwise than at school	—
(d) Re-examination	—
No. in special schools at end of year	3
No. receiving education otherwise than at school	—
No. requiring places in special schools	1

DEAF

No. of children examined during the year —
School Medical Officers' recommendations:—
(a) Special schools for Deaf Children —
(b) Home Tuition —
No. in special schools at end of year 5
No. receiving education otherwise than at school .. —
No. requiring places in special schools —

PARTIALLY DEAF

No. of children examined by School Medical Officers during the year —
School Medical Officers' recommendations:—
(a) Ordinary schools —
(b) Special schools for partially deaf pupils —
(c) Special schools for other categories —
No. in special schools at end of year 5
No. receiving education otherwise than at school .. —
No. requiring places in special schools —

PHYSICALLY HANDICAPPED

No. of children examined during the year 2
No. of children re-examined during the year 8
School Medical Officers' recommendations:—
(a) Ordinary schools 1
(b) Special schools for physically handicapped children —
(c) Special schools for other categories —
(d) Hospital special schools —
(e) Education otherwise than at school 7
(f) Unsuitable for any school 2
(g) Re-examination —
No. in special schools at end of year 4
No. receiving education otherwise than at school 7
No. requiring places in special schools —

DELICATE

No. of children examined during the year 7
No. of children re-examined during the year 7

School Medical Officers' recommendations:—

(a) Ordinary schools .. . . . .	..	..	5
(b) Special schools for Delicate Children .. . . .	..	..	5
(c) Education otherwise than at school .. . . .	..	..	4
(d) Special schools for other categories .. . . .	..	..	—
No. in special schools at end of year .. . . .	..	..	13
No. receiving education otherwise than at school .. . . .	..	..	4
No. requiring places in special schools .. . . .	..	..	—

EPILEPTIC

No. of children examined during the year .. . .	..	..	1
No. of children re-examined during the year .. . .	..	..	1

School Medical Officers' recommendations:—

(a) Ordinary School .. . . . .	..	..	..	1
(b) Special schools for Epileptics .. . . .	..	..	..	—
(c) Special schools for other categories .. . . .	..	..	..	—
(d) Re-examination .. . . .	..	..	..	—
(e) Home tuition .. . . .	..	..	..	1
No. in special schools at end of year .. . . .	..	..	..	1
No. receiving education otherwise than in school .. . . .	..	..	..	1
No. requiring places in special schools .. . . .	..	..	..	—

SCHOOL PSYCHOLOGICAL SERVICE

No. of children found to require further detailed examination by Educational Psychologist	91
--	----	----	----

No. recommended for:—

(a) adjustment classes .. . . . .	..	..	..	1
(b) remedial teaching .. . . .	..	..	..	5
No. recommended for no further action .. . . .	..	..	..	25
No. recommended for examination by School Medical Officers .. . . . .	..	..	..	22
No. recommended for re-examination .. . . .	..	..	..	31
No. recommended for Child Guidance Clinic .. . . .	..	..	..	7
Miscellaneous Cases .. . . . .	..	..	..	3

EDUCATIONALLY SUB-NORMAL CHILDREN

No. of children examined during the year	31
---	----	----	----

School Medical Officers' recommendations:—

(a) Ordinary schools .. . . . .	..	..	..	..	—
(b) Special education in ordinary schools .. . .	..	..	..	..	—
(c) Special schools for educationally sub-normal pupils .. . . . .	..	..	..	..	22

(d)	Special schools for other categories	..	..	—
(e)	Education otherwise than at school	..	..	—
(f)	Incapable of receiving education at school	..	..	5
(g)	Supervision after leaving school	..	..	—
(h)	Re-examination	..	..	4

MALADJUSTED CHILDREN

No. of children who attended Child Guidance Centres during the year	—
No. of children examined by School Medical Officers during the year	1

School Medical Officers' recommendations:—

(a) Special schools for Maladjusted	1
(b) Special schools for other categories	—
(c) Special Education in ordinary schools	—
(d) Education otherwise than at school	—

MISCELLANEOUS EXAMINATIONS

1. Examination under Section 18 of the Children and Young Persons Act, 1933.	
No. of children examined	8
No. of children unfit to be employed	—
2. Juvenile Courts	
No. of children examined arising out of proceedings in Juvenile Courts	2
3. Candidates for admission to Courses of Training for Teaching and to the Teaching Profession	56
4. Superannuation and Sick Pay Cases	54

SECTION VI

SANITARY CIRCUMSTANCES OF THE AREA

REPORT OF THE SENIOR PUBLIC HEALTH INSPECTOR

To the Medical Officer of Health.

Sir,

I have pleasure in submitting a report of the work undertaken by the Inspectors of this department during the year 1963.

The various tables and statistical matter of this Section show continued activity by the Inspectors in all the branches of the Public Health Services. Many hours are spent and devoted to meat inspection and food hygiene.

Housing Act "Standard Grants" are still being used and the Inspectorate devoted a lot of time discussing, explaining and following through the various applications.

I am again grateful for the assistance of my colleagues and the co-operation of the chief officers.

I am, Sir,

Your obedient Servant,

R. E. V. WARRAND,

Senior Public Health Inspector.

WATER SUPPLY

Water undertakings supplying the District are:—

Sunderland and South Shields Water Company.

The National Coal Board.

Fifty-one samples of mains water were taken from public stand pipes or consumers' premises and submitted for bacteriological examination at the Public Health Laboratory, Sunderland. All were reported as satisfactory.

A typical analysis of a mains supply is as follows:—

CHEMICAL ANALYSIS	PARTS PER MILLION
Total Solids dried at 180°C	476·0
Chloride	30·0
Temporary Hardness	281·0
Total Hardness	403·0
Nitrate as Nitrogen	4·0
Nitrite as Nitrogen	nil.
Free Ammonia	less than 0·1
Albuminoid Ammonia	0·016
Oxygen absorbed from Permanganate, 3 hours at 37°C	nil.
Iron as Fe	nil.
pH Value	7·6

The above analysis relates to the water supplied from New Winning Pumping Station, but it will be appreciated that the water supplied to the different parts of the Rural District varies considerably.

Particulars of the number of dwelling houses and the number of the population supplied from public water mains (a) direct to houses (b) by means of standpipes are given in the following table:—

LOCALITY	1 Estimated population	2 Area in acres	3 Number of houses and other premises with dwelling ac'm'dat'n	4 No. of Houses with mains supply direct to houses	5 No. of Houses with mains supply from stand-pipes
Burdon ..	99	1286	26		
Seaton with Slingley ..	516	1392	179	219	—
Warden Law ..	39	500	14		
Castle Eden ..	427	1546	165	165	—
Cold Hesledon ..	981	1150	309		
Dalton-le-Dale ..	717	691	259	568	—
Easington ..	9961	3709	3151	3151	—
Haswell ..	2490				
South Hetton ..	3077	3767	1851	1843	8
Hutton Henry ..	389				
Station Town ..	2033	2012	810	810	—
Hawthorn ..	345	1413	124	124	—
Blackhall ..	6479				
Hesledens ..	1279	2654	2555	2555	—
Murton East ..	8694	1406	2860	2860	—
Sheraton with Hulam ..	115	2346	43		
Nesbitt ..	11	333	3	46	—
Shotton ..	5882	1421	1886	1886	—
Horden ..	12450	1302	3723	3723	—
Peterlee ..	14747	2007	4747	4747	—
Thornley ..	4496	1148	1401	1399	2
Wingate ..	3887				
Wheatley Hill ..	5594	4570	3708	3708	—
Trimdon ..	1742				
TOTALS ..	86450	34653	27814	27804	10

The following table shows the principal nuisances and defects dealt with during the year under the Public Health and Housing Acts:—

	No. of inspections	No. of Informal Notices served	No. of Statutory Notices served	Defects remedied after Notice
Housing:				
Public Health and Housing Acts ..	4271	348	5	243
Overcrowding ..	68	—	—	—
Sanitary Conveniences:				
Insufficient	—	—	—	—
Defective	68	27	—	17
Drainage	164	37	1	35
Water Supply	72	19	—	18
Food Premises	2933	27	1	19
Shops Act	29	4	—	3
Dairies	49	1	—	1
Slaughterhouses:				
Public	—	—	—	—
Private	2112	—	—	—
Tents, Vans, etc. ..	58	1	—	2
Offensive Trades ..	113	3	—	1
Factories & Workplaces ..	241	21	—	7
Keeping of Animals ..	27	6	—	5
Insanitary Ashpits and Receptacles	26	15	—	7
Offensive accumulations ..	64	16	—	9
Smoke Nuisances ..	40	6	—	5
Prevention of Damage by Pests Act, 1949 ..	2487	53	—	54
TOTALS ..	12822	584	7	426

SMOKE ABATEMENT AND COLLIERY SPOILBANKS

Inspections have continued to be made to spoilbanks and advice given on the installation of boiler plants as to the height of flues, etc.

CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960

The three sites used in the Crimdon area are subject to regular visits, especially during the summer months.

VERMINOUS PREMISES

Three Council houses and six private houses were disinfested of bed bugs. Accounts were rendered in the case of all privately owned dwellings to cover the cost of time and materials used.

In 94 cases of infestation of house property by cockroaches, etc., advice and active assistance were given.

INFECTIOUS DISEASE INVESTIGATION

132 visits to households were made during the year in respect of infectious diseases. Disinfection was carried out where necessary and in the case of Sonne dysentery, paratyphoid fever and food poisoning approximately 270 faecal specimens were taken for bacteriological examination.

LICENSED PREMISES, CLUBS, ETC.

Forty-three inspections were carried out at licensed premises and clubs. One informal notice was served and one was complied with.

CINEMAS AND PUBLIC HALLS

Ten inspections were made in respect of heating, lighting, ventilation and sanitary accommodation. Two informal notices were served.

RODENT CONTROL

Two sewer maintenance treatments were carried out during the financial year at six-monthly intervals. The following particulars show that of the 547 manholes baited, 125 gave evidence of rat infestation:—

No. of Manholes Baited	..	..	..	547
No. of Manholes Baited showing part takes of poison bait	..	..	..	116
No. of Manholes Baited showing complete takes of poison bait	..	..	..	9

It will be observed from the table that during the year 1963, inspection of non-agricultural properties either as a result of complaints received or in the course of normal daily routine revealed 438 infestations by rats. Only 42 of these were found to be heavy or major infestations and the remainder, 396 were minor. Five properties were found to be seriously infested by mice, and included in the 171 premises requiring minor treatment for mice 121 were dwelling houses. Altogether 548 properties affected by rat or mouse infestation were treated during the year. There were 281 inspections carried out on agricultural properties during 1963, and farmers and tenants are still being encouraged to contract with the Council for the destruction of rodents on their premises.

Prevention of Damage by Pests Act, 1949.

Report for 12 Months ended 31st December, 1963.

	TYPE OF PROPERTY					(5) Agri- cultural	
	NON-AGRICULTURAL				(4) Total of Cols. (1) (2) and (3)		
	(1) Local Authority	(2) Dwelling Houses (inc. Council Houses)	(3) All other (including Business Premises)				
I. Number of properties in Local Authority's District (see Notes 1 & 2)	63	27153	3792	31008	326		
II. Total number of properties inspected as a result of notification (See Note 3)	29	320	96	445	12		
Number of such properties found to be infested by:—							
Common rat	(Major)	10	1	18	29	9	
	(Minor)	16	220	43	279	3	
Ship rat	(Major)	—	—	—	—	—	
	(Minor)	—	—	—	—	—	
House mouse	(Major)	—	—	4	4	—	
(See Note 4)	(Minor)	2	96	28	126	—	
III. Total number of properties inspected in the course of survey under the Act	15	124	60	199	269		
Number of such properties found to be infested by:—							
Common rat	(Major)	8	—	5	13	13	
	(Minor)	3	88	22	113	51	
Ship rat	(Major)	—	—	—	—	—	
	(Minor)	—	—	—	—	—	
House mouse	(Major)	—	—	1	1	—	
	(Minor)	1	20	18	39	—	
IV. Total number of properties otherwise inspected (e.g. when visited primarily for some other purpose)	.. ..	2	9	8	19	—
Number of such properties found to be infested by:—							
Common rat	(Major)	—	—	2	2	—	
	(Minor)	1	3	5	9	—	
Ship rat	(Major)	—	—	—	—	—	
	(Minor)	—	—	—	—	—	
House mouse	(Major)	—	—	—	—	—	
	(Minor)	—	5	1	6	—	

Prevention of Damage by Pests Act, 1949—continued

	TYPE OF PROPERTY				
	NON-AGRICULTURAL				(5) Agri- cultural
	(1) Local Authority	(2) Dwelling Houses (inc. Council Houses)	(3) All other (including Business Premises)	(4) Total of Cols. (1) (2) and (3)	
V. Total inspections carried out—including re-inspections (To be completed only if figures are readily available)	178	1378	508	2064	340
VI. Number of infested properties (in Sections II, III and IV) treated by the L.A.	40	384	124	548	13
VII. Total treatments carried out—including re-treatments. (To be completed only if figures are readily available). (See Note 3)	40	384	124	548	18
VIII. Number of notices served under Section 4 of the Act:— (a) Treatment	—	—	—	—	—
XI. Number of "Block" control schemes carried out				36	
XII. Where legal proceedings have been instituted by the Local Authority brief particulars should be given here:—					
XIII. Any other points of interest.					

NOTES

NOTE 1. With the exception of agricultural properties, a property means one which is entered separately in the Valuation Roll for the area.

NOTE 2. (i) Premises used by the L.A. for the purposes of trade should be entered in Col. (3).
(ii) Sewers should not be included.
(iii) Combined dwelling and business premises, where occupied by the same person, should be regarded as business premises and should be entered in Col. (3). Where the dwelling and business parts of the premises are in separate occupation, separate entries should be made in Cols. (2) and (3).

NOTE 3. In filling in the first lines of Sections II, III and IV each property should be counted once only. On other lines, if two or more species are found on the same property, it should be counted for each species.

NOTE 4. Do not include other mouse-like rodents such as field-voles, wood-mice, etc.

HOUSING

A total of 686 Council houses was inspected during the year either on the occasion of the house becoming vacant or prior to exchange. The general condition of the property was invariably reported and both the Surveyor and the Accountant informed of details of disrepair. A valuable opportunity is given under this system of inspection prior to exchanges being confirmed to recommend refusal where a house is observed to be wilfully neglected or verminous. Colliery property in one parish is also subject to this system. One informal notice was served to "clean up" prior to exchange.

Six requests in respect of Council houses were investigated by the District Inspectors. Reports on the living conditions and circumstances of the applicants were prepared and forwarded to local members for their information and consideration.

INSPECTIONS AND NOTICES UNDER THE HOUSING ACTS, 1936-61.

Number of visits and re-visits ..	2528
Number of informal notices served ..	113
Number of statutory notices served ..	3
Number of notices complied with ..	70

FACTORIES ACT, 1961

During the year 241 inspections of premises subject to the provisions of the above Act were made, principally in connection with sanitary accommodation, and in those factories where mechanical power is not employed to ensure adequate lighting, ventilation, heating, general cleanliness and prevention of over-crowding in workrooms.

Twenty-one informal notices to remedy defects were taken, with satisfactory results in seven cases, the rest not being completed.

FACTORIES ACT 1961

PART I OF THE ACT.

1.—INSPECTIONS for purposes of provisions as to health
(including inspections made by Public Health Inspectors)

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	54	121	14	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	107	120	7	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	35	—	—	—
TOTAL	196	241	21	—

2.—Cases in which DEFECTS were found.

Particulars (1)	Number of cases in which defects were found			Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	Referred To H.M. Inspector (4)	
Want of cleanliness (S.1) .. .	7	6	—	—
Overcrowding (S.2) .. .	—	—	—	—
Unreasonable temperature (S.3) .. .	—	—	—	—
Inadequate ventilation (S.4) .. .	1	—	—	—
Ineffective drainage of floors (S.6) .. .	7	7	—	—
Sanitary Conveniences (S.7)				
(a) Insufficient .. .	23	23	—	24
(b) Unsuitable or defective .. .	4	4	—	3
(c) Not separate for sexes .. .	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	—	—
TOTAL .. .	42	40	—	27

PART VIII OF THE ACT

OUTWORK

(Sections 133 and 134)

Nature of Work	Section 133		Section 134	
	No. of out-workers in August	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises
(1)	(2)	(3)	(4)	(5)
Wearing Apparel (Making)	1	—	—	—

SUPERVISION OF FOOD SUPPLIES

INSPECTION OF MEAT AND OTHER FOODS

MEAT

Private Slaughtering at the nine licensed slaughterhouses in the district proceeded smoothly. A new licence was granted by appeal earlier in the year making a total of ten.

Perusal of the following tables will show that 30,125 animals have been slaughtered, all of which were inspected, and that 1,937 stones of meat and edible offal were condemned. Part of this was collected by a recognised salvage firm from the Cleansing Department at Murton and some disposed of by incineration.

During the year it was decided to make charges, as suggested by the Ministry, for the inspection of all carcases passed for human consumption.

OTHER FOODS

The inspectors of the department have continued to issue condemnation certificates in support of traders' claims against suppliers. These certificates are normally accepted without question by the suppliers.

During the year 414 stones of other foods were condemned, an increase of 100 stones on the figure of 314 for the year 1962.

	Cattle excluding Cows	Cows	Calves	Sheep	Pigs
Number Slaughtered ..	6937	70	160	16,648 plus 2 Casualties	6308
Whole Carcasses condemned .. (T.B. only) ..	— ..	— ..	— ..	— ..	— ..
Carcasses of which some part or organ condemned (T.B. only) ..	9	— ..	— ..	— ..	20
Percentage of number inspected affected with T.B. ..	0·13%	— ..	— ..	— ..	0·32%
Carcasses condemned (All diseases and conditions excluding T.B.)	4	— ..	5	15 plus 2 Casualties	4
Carcasses of which some part or organ condemned. (All diseases and conditions excluding T.B.)	2092	— ..	287	— ..	211
Percentage of number inspected affected with disease or condition other than T.B. ..	29·91%	3·13%	1·87%	3·41%	— ..

Provisions, Fish, etc. Condemned as being unfit for Human Consumption during the year, 1963.

Cause of Unfitness	Provisions, Loose	Timed/Bottled Foods	Fish and Fish Products
	sts. lbs.	sts. lbs.	sts. lbs.
Contaminated	Dried Fruits Bacon and Ham Butter Cake Chickens (Frozen) Manufactured Meat Products Rabbits Sundries Tongue	2 1 7 4½ 8 5 4 4¼ 4 12 2 3½ 10½	
Decomposition/Rancidity	Cheese Grapes Potatoes	2 4½ 1 10 102 0	
Extensive Mould			118 Tins Fish Products 1310 Tins Fruit 963 Tins Meat Products 201 Tins Milk 7 Tins Preserves 17 Tins Sundries 770 Tins Veg. Products
Rotten			3 13¼ 98 3½ 141 8 14 3¾ 10 30 12
Decomposition due to Blown and Damaged Tins			
Broken Jars			1 Jar Coffee 1 Jar Pickled Onions 6 Jars Preserves
Decomposition			Fish Cakes 1½

Carcases, Organs and Edible Offal condemned as being unfit for Human Consumption during the year 1963.

	Carcasses, etc.				Lungs (Sets)			Hearts			Kidneys			Livers			Heads and Tongues			Sets Stomachs and Intestines			Fat			Udders			Spleen			Plucks		
					Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Cow	Ewe	Sow	Ox	Sheep	Pig	Ox	Sheep	Pig
	Beef	Veal	Mutton	Pork	7						3			215			3			10			1											
Abscesses																																		5
Actinobacillosis																																		
Actinomycosis																																		
Ascarasis																																		
Bruising and Injury																																		3
Cirrhosis																																		41
Cystic Conditions																																		7 3
Cysticercus Bovis																																		
Decomposition																																		
Degeneration																																		
Distomatosis																																		7
Emaciation and/or Oedema																																		3
Hepatitis																																		
Icterus																																		1
Immaturity																																		3
Insufficient Bleeding																																		1
Jaundice																																		2
Mastitis																																		6
Necrosis																																		
Parasites																																		19
Pericarditis.																																		2 5
Peritonitis																																		4 5
Pleurisy																																		25 36
Pneumonia																																		2
Septic Conditions																																		3
Splenitis																																		6
Telangiectasis																																		
Traumatism																																		1
Tuberculosis																																		5
Tumours																																		1
Tympanitis..																																		1

MEAT SURRENDERED FOR OTHER REASONS

	Sts.	lbs.
Beef	49	8
Pork	4	12
Mutton	4	0

"C" indicates Casualty Animal



Total weight of Meat and Edible Offal condemned	.. .. .. ..	1,937	sts. 9 lbs.
Total weight of Tinned Foods, etc. condemned	.. .. .. ..	414	sts. $\frac{1}{4}$ lbs.
Total Weight ..		2,351	sts. $9\frac{1}{4}$ lbs.

= 14 Tons 13 cwts. 7 st. $9\frac{1}{4}$ lbs.

Year ending 31st December	Weight of Meat and Other Foods Condemned			
	tons	cwts.	sts.	lbs.
1954	27	0	7 13
1955	22	7	2 $1\frac{1}{2}$
1956	22	7	4 12
1957	24	9	2 $6\frac{1}{2}$
1958	22	19	0 $7\frac{1}{4}$
1959	21	5	1 $12\frac{1}{4}$
1960	17	15	6 $8\frac{1}{4}$
1961	18	15	6 $13\frac{3}{4}$
1962	16	11	4 $1\frac{1}{4}$
1963	14	13	7 $9\frac{1}{4}$

PUBLIC HEALTH (MEAT) REGULATIONS, 1924—1952

Vehicles used for the transport of carcase meat were frequently examined during the year and found to be generally maintained in a satisfactory condition.

SLAUGHTER OF ANIMALS ACT, 1958

All animals were stunned and slaughtered by competent licensed slaughtermen and all precautions taken to prevent any unnecessary suffering by the animals.

The number of licences issued during the year to persons authorising them to slaughter animals in a slaughterhouse or knackers yard was 40. This figure included five new licences issued during the year.

FOOD AND DRUGS ACT, 1955

In the rural district regular inspections continued to be made of all premises where food is prepared or stored for purposes of sale. Wherever it has been felt necessary, district public health inspectors have urged traders to provide refrigeration equipment.

The types of food premises registered, visited and subject to informal action during the year are detailed in the following table:—

Premises	Number Registered	Number of Inspections	Notices Served	Notices Complied With
Fish Shops	51	113	3	1
Butchers' Shops	61	92	4	3
Ice Cream Shops	196	68	4	5
Restaurants, etc.	Nil.	47	7	6
Other Food Prem.	Nil.	2607	17	10
TOTALS	308	2927	35	25

Three applications for registration of premises for "The sale of ice-cream" under Section 16 of the Act were received during the year, all of which were approved. In the majority of cases the applications, by mutual consent, were not submitted for consideration until the shopkeeper had discussed his proposal with the inspector for the particular district and satisfied him on the arrangements provided.

Ice-cream samples numbering 118 were submitted to the Public Health Laboratory, Sunderland for bacteriological examination. The villages at which the samples were collected and their grading are shown in table form. All samples attaining grades one and two are regarded as satisfactory. It will be observed from the following comparison that the high standard of the past few years has been maintained.

Year	No. of samples taken	No. satisfactory	Percentage satisfactory
1957	119	115	97%
1958	115	108	94%
1959	132	127	96%
1960	127	126	99%
1961	113	111	98%
1962	122	114	93%
1963	118	114	98%

(All samples submitted to Methylene Blue Reduction Test)

An additional six samples of ice-cream sold within the rural district were collected for fat analysis and examined by Mr. W. Gordon Carey, Public Analyst, Newcastle upon Tyne. All samples were found to be satisfactory.

Appropriate action has been taken under the Food Hygiene Regulations of the Act requiring occupiers of food premises to conform to the standards laid down.

ICE CREAM SAMPLING—YEAR 1963.

District	Methylene Blue						Fat Content					
	Grades			% Above			% Below			%		
	1	%	2	%	3	%	4	%	Above	%	Below	%
Blackhall	4	100.0	—	—	—	—	—	—	—	—	—	—
Castle Eden	1	100.0	—	—	—	—	—	—	—	—	—	—
Easington	5	100.0	—	—	—	—	—	—	—	—	—	—
Easington Colliery	9	70.0	3	23.1	1	6.9	—	—	—	—	—	—
Haswell	1	50.0	1	50.0	2	12.5	—	—	—	—	—	—
Horden	12	75.0	2	12.5	2	12.5	—	—	—	—	—	—
Murton	9	90.0	1	10.0	—	—	—	—	—	—	—	—
Peterlee	2	50.0	2	50.0	—	—	—	—	—	—	—	—
Shotton	3	75.0	1	25.0	—	—	—	—	—	—	—	—
South Hetton	7	53.8	5	38.5	1	7.7	—	—	—	—	—	—
Station Town	6	100.0	—	—	—	—	—	—	—	—	—	—
Thornley	11	100.0	—	—	—	—	—	—	—	—	—	—
Trimdon Station	2	100.0	—	—	—	—	—	—	—	—	—	—
Wheatley Hill	10	62.5	6	37.5	—	—	—	—	—	—	—	—
Wingate	8	72.7	3	27.3	—	—	—	—	—	—	—	—
Totals	..	..	90	76.3	24	20.3	4	3.4	—	—	6	100.0
Total Methylene Blue Samples	..	..	..	..	..	..	..	..	..	..	118	..
Total Fat Content Samples	..	..	..	..	..	..	..	..	..	..	6	..

MILK SUPPLY—SUPERVISION

Regular inspections of dairies have been carried out by the public health inspectors and any infringements of the Regulations have been reported to those concerned.

Milk samples submitted for examination during the year totalled 160 consisting of 18 samples of raw milk which were tested for keeping quality and cleanliness, and 142 samples of pasteurised and sterilised which were subjected to additional tests designed to establish the efficiency of heat treatment.

During the course of the year 30 inspections of distributors' premises were made.

MILK SAMPLING.

160 samples of raw and heat treated milk were taken for examination during 1963, with the following results:—

	No. of Samples Taken	Satisfactory	Unsatisfactory		% Unsatisfactory
			Methylene Blue Test	Phosphatase Test	
T.T. Milk	18	16	2	11.1	—
Pasteurised Milk	79	79	—	—	79
T.T. Pasteurised Milk	50	50	—	—	50
Sterilised Milk	13	—	—	—	—
					13

HOUSING AND SEWERAGE

(CONTRIBUTED BY THE ENGINEER AND SURVEYOR)

HOUSING

The construction of new houses to accommodate families from Slum Clearance Areas in the Council's district has continued during the year, and a total of 115 houses have been completed.

The total number of post-war houses completed to date is 3,424, making the total number of houses owned by the Council 8,045.

PRIVATE HOUSING

The following houses have been built during the year by private enterprise:—

Easington Parish	..	..	..	1
Hawthorn Parish	..	..	..	1
Monk Hesleden Parish	..	..	..	1
Shotton Parish	..	..	..	7
Wingate Parish	..	..	..	2
Peterlee Parish	..	..	..	5
Seaton Parish	..	..	..	1
<hr/>				<hr/>
TOTAL	..	..	..	18
<hr/>				<hr/>

IMPROVEMENT PROGRAMME

Work has continued on the second phase of the improvement programme to pre 1939 Council houses, and a total of 599 have had major improvements completed during the year, making a total of 2,380 houses completed to date.

POLICE HOUSING

The following Police houses have been built during the year by Durham County Council:—

Peterlee	..	..	..	10
Hutton Henry	..	..	..	1
Horden	..	..	..	5
<hr/>				<hr/>
TOTAL	..	..	..	16
<hr/>				<hr/>

HOUSING MAINTENANCE

The maintaining of Council houses has continued satisfactorily during the year and 21,419 repairs were made to pre-war houses, 12,911 repairs to post-war houses, and 840 repairs to prefabricated bungalows, making a total of 35,170 repairs in all.

SEWERAGE

General repairs to all the Council's sewers have been carried out throughout the year some of which have been due to mining subsidence.

From Dalton-le-Dale Pumping Station some 60 yards of 12" cast iron pumping main had to be replaced by P.V.C. pipe due to severe subsidence in the stream bed and on the bankside.

In Horden the 27" diameter outfall sewer mentioned in my last report has been re-routed and re-laid in the Cotsford Lane to Blackhills Terrace area of the A.1086.

In Easington Village a small sewage pumping scheme serving property on Sunderland Road to the East of the village has been completed.

A sewerage scheme including a sewage works for the village of Sheraton is currently under construction.

'BUS SHELTERS

During the past year a further 12 'bus shelters were erected making a total of 163. Horden and Peterlee are now the only two Parishes to complete as far as the original shelter programme is concerned. Considerable repairs were also carried out on shelters due to wilful damage and vandalism.

PUBLIC CONVENIENCES

A further 3 public conveniences were erected during the year bringing the total to 29. One is under construction and detailed plans have been submitted for a further four. Considerable repairs were carried out due to vandalism and the assistance of the Police requested.

PUBLIC CLEANSING

(CONTRIBUTED BY THE CLEANSING SUPERINTENDENT)

COLLECTION OF HOUSEHOLD REFUSE

The work of the department has been satisfactorily carried out during the year and all complaints have received immediate attention. The whole of the district, except for a few outlying farms, has received a twice and in some cases three time weekly service.

From 28,949 houses, other buildings and dwellings in the district 2,834,855 collections were made. This represents an average of 54,516 collections weekly. Tonnage during the same period amounted to 83,551 tons.

Twenty-five vehicles travelled 169,416 miles using 40,533 gallons of petrol.

DISPOSAL AREAS

All disposal areas are being worked by the semi-controlled method, and although occasional fires occurred, no great expense has been necessary to abate this nuisance.

DUST BINS

During the year 366 private dust bins have been sold, 622 supplied to Council House tenants, and 200 supplied to Crimdon Park.

PUBLIC CONVENIENCES

Twenty-six conveniences in the district are cleansed daily and 176 bus shelters receive regular attention by this department.

TRADE REFUSE

Trade refuse is collected during normal rounds and quarterly accounts submitted. The charge of 7d. per bin or its equivalent is in relation to the number of bins or quantity. The revenue from this service was £196.

SALVAGE

146½ tons of Waste Paper was sold bringing in the revenue of £1,256. Other materials salvaged included 39 tons of Metals, 9 tons of Textiles and 577 gross Bottles and Jars The total salvage revenue amounting to £1,771.

May I take this opportunity of thanking all Officials and Staff for their help and co-operation during the year.

William Barlow & Son, Ltd.,
West Hartlepool and London
